

| | Type | L # | Hits | Search Text | DBs | Time Stamp |
|---|------|-----|--------|---|--|---------------------|
| 1 | BRS | L1 | 81299 | interleav\$4 | US- PGPUB; USPAT; EPO; JPO; DERWEN T | 2005/10/04 12:43 |
| 2 | BRS | L2 | 44887 | (interferomet\$4 mzi) | US- PGPUB; USPAT; EPO; JPO; DERWEN T | 2005/10/04 12:43 |
| 3 | BRS | L3 | 4948 | ((heat\$3 electrodes voltage\$2 therm\$6) same waveguide\$1) same (delay\$3 phase) | US- PGPUB; USPAT; EPO; JPO; DERWEN T | 2005/10/04 12:43 |
| 4 | BRS | L4 | 345966 | (multiplex\$4 demultiplex\$4) | US- PGPUB; USPAT; EPO; JPO; DERWEN T | 2005/10/04 12:43 |
| 5 | BRS | L5 | 190554 | coupler\$1 | US- PGPUB; USPAT; EPO; JPO; DERWEN T | 2005/10/04 12:43 |

| | Comments | Error Definition | Errors |
|---|----------|------------------|--------|
| 1 | | | |
| 2 | | | |
| 3 | | | |
| 4 | | | |
| 5 | | | |

| | Type | L # | Hits | Search Text | DBs | Time Stamp |
|---|------|-----|------|--------------------------------|--|---------------------|
| 6 | BRS | L6 | 93 | L1 and L4 and L3 and L2 and L5 | US-PGPUB; USPAT; EPO; JPO; DERWEN T | 2005/10/04 12:43 |

| | Type | Hits | Search Text |
|----|------|--------|---|
| 1 | BRS | 0 | 10/657862 |
| 2 | BRS | 0 | 10/783306 |
| 3 | BRS | 0 | 10/657846 |
| 4 | BRS | 75009 | interleav\$4 |
| 5 | BRS | 314820 | multiplex\$5 |
| 6 | BRS | 260774 | ((add\$4 same drop\$4) oadm) |
| 7 | BRS | 4107 | ((heat\$3 electrodes voltag\$2) same waveguide\$1) same (delay\$3 phase) |
| 8 | BRS | 41386 | (interferomet\$4 mzi) |
| 9 | BRS | 59422 | couplers |
| 10 | BRS | 52 | S4 and S5 and S6 and S7 and S8 and S9 |
| 11 | BRS | 52 | S10 and (substrat\$4 planar) |
| 12 | BRS | 4602 | ((heat\$3 electrodes voltag\$2 therm\$6) same waveguide\$1) same (delay\$3 phase) |
| 13 | BRS | 52 | S4 and S5 and S6 and S12 and S8 and S9 and S11 |
| 14 | BRS | 52 | S4 and S5 and S12 and S8 and S9 and S11 |
| 15 | BRS | 322959 | (multiplex\$4 demultiplex\$4) |
| 16 | BRS | 181490 | coupler\$1 |
| 17 | BRS | 78 | S4 and S16 and S12 and S8 and S17 and (substrat\$4 planar) |
| 18 | BRS | 26 | S18 not S10 |
| 19 | BRS | 2 | S19 and S6 |
| 20 | BRS | 24 | S19 not S20 |
| 21 | BRS | 2 | S21 and (coupl\$4 same evanesc\$5) |

| | DBs | Time Stamp | Comments | Error Definition |
|----|---------------------------------------|-------------------|-----------------|-------------------------|
| 1 | US-PGPUB; USPAT; EPO; JPO; DERWENT | 2005/02/22 13:12 | | |
| 2 | US-PGPUB; USPAT; EPO; JPO; DERWENT | 2005/02/22 13:12 | | |
| 3 | US-PGPUB; USPAT; EPO; JPO; DERWENT | 2005/02/22 13:12 | | |
| 4 | US-PGPUB; USPAT; EPO; JPO; DERWENT | 2005/02/22 14:40 | | |
| 5 | US-PGPUB; USPAT; EPO; JPO; DERWENT | 2005/02/22 14:43 | | |
| 6 | US-PGPUB; USPAT; EPO; JPO; DERWENT | 2005/02/22 14:45 | | |
| 7 | US-PGPUB; USPAT; EPO; JPO; DERWENT | 2005/02/22 15:05 | | |
| 8 | US-PGPUB; USPAT; EPO; JPO; DERWENT | 2005/02/22 14:49 | | |
| 9 | US-PGPUB; USPAT; EPO; JPO; DERWENT | 2005/02/22 15:29 | | |
| 10 | US-PGPUB; USPAT; EPO; JPO; DERWENT | 2005/02/22 15:05 | | |
| 11 | US-PGPUB; USPAT; EPO; JPO; DERWENT | 2005/02/22 15:26 | | |
| 12 | US-PGPUB; USPAT; EPO; JPO; DERWENT | 2005/02/22 15:05 | | |
| 13 | US-PGPUB; USPAT; EPO; JPO; DERWENT | 2005/02/23 15:42 | | |
| 14 | US-PGPUB; USPAT; EPO; JPO; DERWENT | 2005/02/22 15:30 | | |
| 15 | US-PGPUB; USPAT; EPO; JPO; DERWENT | 2005/02/22 15:29 | | |
| 16 | US-PGPUB; USPAT; EPO; JPO; DERWENT | 2005/02/22 15:29 | | |
| 17 | US-PGPUB; USPAT; EPO; JPO; DERWENT | 2005/08/02 11:29 | | |
| 18 | US-PGPUB; USPAT; EPO; JPO; DERWENT | 2005/02/22 15:34 | | |
| 19 | US-PGPUB; USPAT; EPO; JPO; DERWENT | 2005/02/22 15:33 | | |
| 20 | US-PGPUB; USPAT; EPO; JPO; DERWENT | 2005/02/22 17:59 | | |
| 21 | US-PGPUB; USPAT; EPO; JPO; DERWENT | 2005/02/23 11:05 | | |

| | Errors | Ref # |
|----|---------------|------------------|
| 1 | | S1 |
| 2 | | S2 |
| 3 | | S3 |
| 4 | | S4 |
| 5 | | S5 |
| 6 | | S6 |
| 7 | | S7 |
| 8 | | S8 |
| 9 | | S9 |
| 10 | | S10 |
| 11 | | S11 |
| 12 | | S12 |
| 13 | | S13 |
| 14 | | S14 |
| 15 | | S16 |
| 16 | | S17 |
| 17 | | S18 |
| 18 | | S19 |
| 19 | | S20 |
| 20 | | S21 |
| 21 | | S22 |

| | Type | Hits | Search Text |
|----|------|--------|--|
| 22 | BRS | 1 | 10/329252 |
| 23 | BRS | 2 | "20030031406" |
| 24 | BRS | 1 | "20030031406" |
| 25 | BRS | 1 | "20040008944" |
| 26 | BRS | 4 | kianni and (negative near7 dispersion\$1) and (positive near7 dispersion\$1) |
| 27 | BRS | 8 | kianni and interleav\$4 |
| 28 | BRS | 1 | "6724954".pn. |
| 29 | BRS | 1 | S25 and (dalay line\$1 length\$1 differenc\$3 path\$1) |
| 30 | BRS | 1 | S25 and (dalay line\$1 length\$1 differenc\$3 path\$1 wavelength\$1) |
| 31 | BRS | 1 | S25 and (dalay\$4 line\$1 length\$1 differenc\$3 path\$1 wavelength\$1) |
| 32 | BRS | 1 | S25 and (dalay\$4 line\$1 length\$1 differenc\$3 path\$1) same (wavelength\$1 lambda mbda) |
| 33 | BRS | 0 | (thermo optic (therm\$4 near3 optic\$4)) near2 trim\$3 same phase |
| 34 | BRS | 0 | (thermo optic (therm\$4 near3 optic\$4)) near2 trimmer |
| 35 | BRS | 4 | ("5987050" "6240118").pn. |
| 36 | BRS | 0 | S36 and trim\$4 |
| 37 | BRS | 79645 | interleav\$4 |
| 38 | BRS | 43905 | (interferomet\$4 mzi) |
| 39 | BRS | 4845 | ((heat\$3 electrodes voltag\$2 therm\$6) same waveguide\$1) same (delay\$3 phase) |
| 40 | BRS | 339536 | (multiplex\$4 demultiplex\$4) |
| 41 | BRS | 188102 | coupler\$1 |

| | DBs | Time Stamp | Comments | Error Definition |
|----|---------------------------------------|-------------------|-----------------|-------------------------|
| 22 | US-PGPUB; USPAT; EPO; JPO; DERWENT | 2005/02/22 18:08 | | |
| 23 | US-PGPUB; USPAT; EPO; JPO; DERWENT | 2005/02/23 11:05 | | |
| 24 | US-PGPUB; USPAT | 2005/02/23 11:16 | | |
| 25 | US-PGPUB; USPAT | 2005/02/23 11:25 | | |
| 26 | US-PGPUB; USPAT | 2005/02/23 11:28 | | |
| 27 | US-PGPUB; USPAT | 2005/02/23 11:41 | | |
| 28 | US-PGPUB; USPAT | 2005/02/23 13:06 | | |
| 29 | US-PGPUB; USPAT | 2005/02/23 13:15 | | |
| 30 | US-PGPUB; USPAT | 2005/02/23 13:15 | | |
| 31 | US-PGPUB; USPAT | 2005/02/23 13:20 | | |
| 32 | US-PGPUB; USPAT | 2005/02/23 14:21 | | |
| 33 | US-PGPUB; USPAT | 2005/02/23 14:25 | | |
| 34 | US-PGPUB; USPAT | 2005/02/23 14:25 | | |
| 35 | US-PGPUB; USPAT; EPO; JPO; DERWENT | 2005/02/23 15:43 | | |
| 36 | US-PGPUB; USPAT; EPO; JPO; DERWENT | 2005/02/23 15:43 | | |
| 37 | US-PGPUB; USPAT; EPO; JPO; DERWENT | 2005/08/02 11:29 | | |
| 38 | US-PGPUB; USPAT; EPO; JPO; DERWENT | 2005/08/02 11:29 | | |
| 39 | US-PGPUB; USPAT; EPO; JPO; DERWENT | 2005/08/02 11:29 | | |
| 40 | US-PGPUB; USPAT; EPO; JPO; DERWENT | 2005/08/02 11:29 | | |
| 41 | US-PGPUB; USPAT; EPO; JPO; DERWENT | 2005/08/02 11:29 | | |

| | Errors | Ref # |
|----|---------------|------------------|
| 22 | | S23 |
| 23 | | S24 |
| 24 | | S25 |
| 25 | | S26 |
| 26 | | S27 |
| 27 | | S28 |
| 28 | | S29 |
| 29 | . | S30 |
| 30 | | S31 |
| 31 | | S32 |
| 32 | | S33 |
| 33 | | S34 |
| 34 | | S35 |
| 35 | | S36 |
| 36 | | S37 |
| 37 | | S38 |
| 38 | | S39 |
| 39 | | S40 |
| 40 | | S41 |
| 41 | | S42 |

| | Type | Hits | Search Text |
|----|------|------|--|
| 42 | BRS | 90 | S38 and S41 and S40 and S39 and S42 |
| 43 | BRS | 42 | S43 and 'y' near3 (waveguide coupl\$3) |
| 44 | BRS | 42 | S44 and interleav\$4 |
| 45 | BRS | 41 | S45 and (phas\$3 near5 (shift\$4 delay\$4)) |

| | DBs | Time Stamp | Comments | Error Definition |
|-----------|---------------------------------------|-------------------|-----------------|-----------------------------|
| 42 | US-PGPUB; USPAT; EPO; JPO; DERWENT | 2005/10/04 12:43 | | |
| 43 | US-PGPUB; USPAT; EPO; JPO; DERWENT | 2005/08/02 11:30 | | |
| 44 | US-PGPUB; USPAT; EPO; JPO; DERWENT | 2005/08/02 11:31 | | |
| 45 | US-PGPUB; USPAT; EPO; JPO; DERWENT | 2005/08/02 11:31 | | |

| | Errors | Ref # |
|----|--------|----------|
| 42 | | S43 |
| 43 | | S44 |
| 44 | | S45 |
| 45 | | S46 |